

Query= SEQ ID NO:11
 (6030 letters)

Sequences producing significant alignments:	Score (bits)	E Value
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AC010127.12.1.190066	2342	0.0
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>AC010127.12.1.190066
 Length = 190066

Score = 2342 bits (1181), Expect = 0.0
 Identities = 1181/1181 (100%)
 Strand = Plus / Minus

Query: 4850	taggtatgtttcttgccgagctgatagaaaagtatttcgtgtccccctaccctgttccgag	4909
Sbjct: 47088	taggtatgtttcttgccgagctgatagaaaagtatttcgtgtccccctaccctgttccgag	47029

Query: 4910	tgatccgtcttgctaggattggccgaatcctacgtctgatcaaaggagcaaaggggatcc	4969
Sbjct: 47028	tgatccgtcttgctaggattggccgaatcctacgtctgatcaaaggagcaaaggggatcc	46969

Query: 4970	gcacgctgctctttgctttgatgatgtcccttcctgcgttggttaacatcggcctcctac	5029
Sbjct: 46968	gcacgctgctctttgctttgatgatgtcccttcctgcgttggttaacatcggcctcctac	46909

Query: 5030	tcttcctagtcatgtttcatctacgccatctttgggatgtccaactttgcctatgttaaga	5089
Sbjct: 46908	tcttcctagtcatgtttcatctacgccatctttgggatgtccaactttgcctatgttaaga	46849

Query: 5090	gggaagttgggatcgatgacatgttcaactttgagacctttggcaacagcatgatctgcc	5149
Sbjct: 46848	gggaagttgggatcgatgacatgttcaactttgagacctttggcaacagcatgatctgcc	46789

Query: 5150	tattccaaattacaacctctgctggctgggatggattgctagcaccattctcaacagta	5209
Sbjct: 46788	tattccaaattacaacctctgctggctgggatggattgctagcaccattctcaacagta	46729

Query: 5210	agccacccgactgtgaccctaataaagttaaccctggaagctcagttaagggagactgtg	5269
Sbjct: 46728	agccacccgactgtgaccctaataaagttaaccctggaagctcagttaagggagactgtg	46669

Query: 5270	ggaacccatctgttggaattttctttttgtcagttacatcatcatatccttcctggttg	5329
Sbjct: 46668	ggaacccatctgttggaattttctttttgtcagttacatcatcatatccttcctggttg	46609

Query: 5330 tggatgaacatgtacatcgcggtcatcctggagaacttcagtgttgctactgaagaaagtg 5389
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 46608 tggatgaacatgtacatcgcggtcatcctggagaacttcagtgttgctactgaagaaagtg 46549

Query: 5390 cagagcctctgagtgaggatgactttgagatgttctatgaggtttgggagaagtttgatc 5449
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 46548 cagagcctctgagtgaggatgactttgagatgttctatgaggtttgggagaagtttgatc 46489

Query: 5450 ccgatgcaactcagttcatggaatttgaaaaattatctcagtttgcagctgcgcttgaac 5509
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 46488 ccgatgcaactcagttcatggaatttgaaaaattatctcagtttgcagctgcgcttgaac 46429

Query: 5510 cgcctctcaatctgccacaaccaaactccagctcattgccatggatttgcccatgg 5569
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 46428 cgcctctcaatctgccacaaccaaactccagctcattgccatggatttgcccatgg 46369

Query: 5570 tgagtggtgaccggatccactgtcttgatatcttatttgcttttacaagcgggttctag 5629
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 46368 tgagtggtgaccggatccactgtcttgatatcttatttgcttttacaagcgggttctag 46309

Query: 5630 gagagagtggagagatggatgctctacgaatacagatggaagagcgattcatggcttcca 5689
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 46308 gagagagtggagagatggatgctctacgaatacagatggaagagcgattcatggcttcca 46249

Query: 5690 atccttccaaggtctcctatcagccaatcactactactttaaaacgaaaacaagaggaag 5749
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 46248 atccttccaaggtctcctatcagccaatcactactactttaaaacgaaaacaagaggaag 46189

Query: 5750 tatctgctgtcattattcagcgtgcttacagacgccaccttttaaagcgaactgtaaaac 5809
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 46188 tatctgctgtcattattcagcgtgcttacagacgccaccttttaaagcgaactgtaaaac 46129

Query: 5810 aagcttcctttacgtacaataaaaaacaaaatcaaagggtggggctaattcttcttataaaag 5869
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 46128 aagcttcctttacgtacaataaaaaacaaaatcaaagggtggggctaattcttcttataaaag 46069

Query: 5870 aagacatgataattgacagaataaatgaaaactctattacagaaaaaactgatctgacca 5929
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 46068 aagacatgataattgacagaataaatgaaaactctattacagaaaaaactgatctgacca 46009

Query: 5930 tgtccactgcagcttggtccaccttcctatgaccgggtgacaaagccaattgtggaaaaac 5989
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 46008 tgtccactgcagcttggtccaccttcctatgaccgggtgacaaagccaattgtggaaaaac 45949

Query: 5990 atgagcaagaaggcaaagatgaaaaagccaaagggaaataa 6030
|||||
Sbjct: 45948 atgagcaagaaggcaaagatgaaaaagccaaagggaaataa 45908

Score = 952 bits (480), Expect = 0.0
Identities = 482/484 (99%)
Strand = Plus / Minus

Query: 2946 ggtcctgaatctctttctggccttgcttmtgagctcatttagtgcagacaaccttgcagc 3005
|||||
Sbjct: 91194 ggtcctgaatctctttctggccttgcttctgagctcatttagtgcagacaaccttgcagc 91135

Query: 3006 cactgatgatgataatgaaatgaataatctccaaattgctgtggataggatgcacaaagg 3065
|||||
Sbjct: 91134 cactgatgatgataatgaaatgaataatctccaaattgctgtggataggatgcacaaagg 91075

Query: 3066 agtagcttatgtgaaaagaaaaatatgaatttattcaacagtccttcattaggaaaca 3125
|||||
Sbjct: 91074 agtagcttatgtgaaaagaaaaatatgaatttattcaacagtccttcattaggaaaca 91015

Query: 3126 aaagattttagatgaaattaaaccacttgatgatctaacaacaagaaagacagttgtat 3185
|||||
Sbjct: 91014 aaagattttagatgaaattaaaccacttgatgatctaacaacaagaaagacagttgtat 90955

Query: 3186 gtccaatcatacarcagaaattgggaaagatcttgactatcttaaagatgtaaatggaac 3245
|||||
Sbjct: 90954 gtccaatcatacagcagaaattgggaaagatcttgactatcttaaagatgtaaatggaac 90895

Query: 3246 tacaagtggatataggaactggcagcagtggtgaaaaatacattattgatgaaagtgatta 3305
|||||
Sbjct: 90894 tacaagtggatataggaactggcagcagtggtgaaaaatacattattgatgaaagtgatta 90835

Query: 3306 catgtcattcataaacaaccccagtccttactgtgactgtaccaattgctgtaggagaatc 3365
|||||
Sbjct: 90834 catgtcattcataaacaaccccagtccttactgtgactgtaccaattgctgtaggagaatc 90775

Query: 3366 tgactttgaaaattttaaacacggaagacttttagtagtgaatcggatctggaagaaagcaa 3425
|||||
Sbjct: 90774 tgactttgaaaattttaaacacggaagacttttagtagtgaatcggatctggaagaaagcaa 90715

Query: 3426 agag 3429
||||
Sbjct: 90714 agag 90711

Score = 761 bits (384), Expect = 0.0
Identities = 384/384 (100%)
Strand = Plus / Minus

Query: 1661 agtctttgttgagcatccgtggctccctattttcaccaaggcgaaatagcagaacaagcc 1720
|||||
Sbjct: 98714 agtctttgttgagcatccgtggctccctattttcaccaaggcgaaatagcagaacaagcc 98655

Query: 1721 ttttcagcttttagagggcgagcaaaggatgtgggatctgagaacgacttcgcagatgatg 1780
|||||
Sbjct: 98654 ttttcagcttttagagggcgagcaaaggatgtgggatctgagaacgacttcgcagatgatg 98595

Query: 1781 agcacagcacctttgaggataacgagagccgtagagattccttgtttggtgccccgacgac 1840
|||||
Sbjct: 98594 agcacagcacctttgaggataacgagagccgtagagattccttgtttggtgccccgacgac 98535

Query: 1841 acggagagagacgcaacagcaacctgagtcagaccagtaggtcatcccggatgctggcag 1900
|||||
Sbjct: 98534 acggagagagacgcaacagcaacctgagtcagaccagtaggtcatcccggatgctggcag 98475

Query: 1901 tgtttccagcgaatgggaagatgcacagcactgtggattgcaatggtgtggtttccttgg 1960
|||||
Sbjct: 98474 tgtttccagcgaatgggaagatgcacagcactgtggattgcaatggtgtggtttccttgg 98415

Query: 1961 ttggtggaccttcagttcctacatcgctggtggacagcttctgccagaggtgataatag 2020
|||||
Sbjct: 98414 ttggtggaccttcagttcctacatcgctggtggacagcttctgccagaggtgataatag 98355

Query: 2021 ataagccagctactgatgacaatg 2044
|||||
Sbjct: 98354 ataagccagctactgatgacaatg 98331

Score = 714 bits (360), Expect = 0.0
Identities = 360/360 (100%)
Strand = Plus / Minus

Query: 2589 gctgcgagttttcaagttggcaaaatcttggccaacggttaaataatgctaataaagatcat 2648
|||||
Sbjct: 92796 gctgcgagttttcaagttggcaaaatcttggccaacggttaaataatgctaataaagatcat 92737

Query: 2649 cggcaattccgtgggggctctgggaaatttaaccctcgctcttggccatcatcgctcttcat 2708
|||||
Sbjct: 92736 cggcaattccgtgggggctctgggaaatttaaccctcgctcttggccatcatcgctcttcat 92677

Query: 2709 ttttgccgtgggtcggcacatgcagctcttttggtaaaagctacaaagattgtgtctgcaagat 2768
|||||
Sbjct: 92676 ttttgccgtgggtcggcacatgcagctcttttggtaaaagctacaaagattgtgtctgcaagat 92617

Query: 2769 cgccagtgattgtcaactcccacgctggcacatgaatgacttcttccactccttcctgat 2828
|||||
Sbjct: 92616 cgccagtgattgtcaactcccacgctggcacatgaatgacttcttccactccttcctgat 92557

Query: 2829 tgtgttccgcgtgctgtgtggggagtggatagagaccatgtgggactgtatggagggtgc 2888
|||||
Sbjct: 92556 tgtgttccgcgtgctgtgtggggagtggatagagaccatgtgggactgtatggagggtgc 92497

Query: 2889 tgggtcaagccatgtgccttactgtcttcacatgatgggtcatgggtgattggaaacctagtgggt 2948
|||||
Sbjct: 92496 tgggtcaagccatgtgccttactgtcttcacatgatgggtcatgggtgattggaaacctagtgggt 92437

Score = 569 bits (287), Expect = e-159
Identities = 287/287 (100%)
Strand = Plus / Minus

Query: 1376 agcaggcagcaacggcaactgcctcagaacattccagagagcccagtgagcagggcagggc 1435
|||||
Sbjct: 99992 agcaggcagcaacggcaactgcctcagaacattccagagagcccagtgagcagggcagggc 99933

Query: 1436 tctcagacagctcatctgaagcctctaagttgagttccaagagtgcgaaggaaagaagaa 1495
|||||
Sbjct: 99932 tctcagacagctcatctgaagcctctaagttgagttccaagagtgcgaaggaaagaagaa 99873

Query: 1496 atcggaggaagaaaagaaaacagaaagagcagctctgggtggggaagagaaagatgaggatg 1555
|||||
Sbjct: 99872 atcggaggaagaaaagaaaacagaaagagcagctctgggtggggaagagaaagatgaggatg 99813

Query: 1556 aattccaaaaatctgaatctgaggacagcatcaggaggaaagggttttcgcttctccattg 1615
|||||
Sbjct: 99812 aattccaaaaatctgaatctgaggacagcatcaggaggaaagggttttcgcttctccattg 99753

Query: 1616 aagggaaccgattgacatatgaaaagaggtactcctccccacaccag 1662
|||||
Sbjct: 99752 aagggaaccgattgacatatgaaaagaggtactcctccccacaccag 99706

Score = 563 bits (284), Expect = e-157
Identities = 284/284 (100%)
Strand = Plus / Minus

Query: 4002 ggtgggtgtgaatgcccttttaggagcaattccatccatcatgaatgtgcttctggtttg 4061
|||||
Sbjct: 57417 ggtgggtgtgaatgcccttttaggagcaattccatccatcatgaatgtgcttctggtttg 57358

Query: 4062 tcttatattctggctaattttcagcatcatgggcgtaaatttgtttgctggcaaattcta 4121
|||||
Sbjct: 57357 tcttatattctggctaattttcagcatcatgggcgtaaatttgtttgctggcaaattcta 57298

Query: 4122 ccactgtattaacaccacaactggtgacaggtttgacatcgaagacgtgaataatcatac 4181
|||||
Sbjct: 57297 ccactgtattaacaccacaactggtgacaggtttgacatcgaagacgtgaataatcatac 57238

Query: 4182 tgattgcctaaaactaatagaaagaaatgagactgctcgatggaaaaatgtgaaagtaaa 4241
|||||
Sbjct: 57237 tgattgcctaaaactaatagaaagaaatgagactgctcgatggaaaaatgtgaaagtaaa 57178

Query: 4242 ctttgataatgtaggatttgggtatctctctttgcttcaagttg 4285
|||||
Sbjct: 57177 ctttgataatgtaggatttgggtatctctctttgcttcaagttg 57134

Score = 543 bits (274), Expect = e-151
Identities = 274/274 (100%)
Strand = Plus / Minus

Query: 4582 aacaaatttcaaggaatggtctttgacttcgtaaccagacaagttttgacataagcatc 4641
|||||
Sbjct: 49079 aacaaatttcaaggaatggtctttgacttcgtaaccagacaagttttgacataagcatc 49020

Query: 4642 atgattctcatctgtcttaacatgggtcacaatgatggtggaaacagatgaccagagttaa 4701
|||||
Sbjct: 49019 atgattctcatctgtcttaacatgggtcacaatgatggtggaaacagatgaccagagttaa 48960

Query: 4702 tatgtgactaccattttgtcacgcatcaatctggtgttcattgtgctatttactggagag 4761
|||||
Sbjct: 48959 tatgtgactaccattttgtcacgcatcaatctggtgttcattgtgctatttactggagag 48900

Query: 4762 tgtgtactgaaactcatctctctacgccattattttaccattggatggaatattttt 4821
|||||
Sbjct: 48899 tgtgtactgaaactcatctctctacgccattattttaccattggatggaatattttt 48840

Query: 4822 gattttgtggtgtgcattctctccattgtaggta 4855
|||||
Sbjct: 48839 gattttgtggtgtgcattctctccattgtaggta 48806

Score = 543 bits (274), Expect = e-151
Identities = 274/274 (100%)
Strand = Plus / Minus

Query: 692 caggcctgaaaaccattgtgggagccctgatccagctctgtgaagaagctctcagatgtaa 751
|||||
Sbjct: 106654 caggcctgaaaaccattgtgggagccctgatccagctctgtgaagaagctctcagatgtaa 106595

Query: 752 tgatcctgactgtgttctgtctgagcgtatttgctctaattgggctgcagctgttcatgg 811
|||||
Sbjct: 106594 tgatcctgactgtgttctgtctgagcgtatttgctctaattgggctgcagctgttcatgg 106535

Query: 812 gcaacctgaggaataaatgtatacaatggcctcccaccaatgcttccttggaggaacata 871
|||||
Sbjct: 106534 gcaacctgaggaataaatgtatacaatggcctcccaccaatgcttccttggaggaacata 106475

Query: 872 gtatagaaaagaatataactgtgaattataatggtacacttataaatgaaactgtctttg 931
|||||
Sbjct: 106474 gtatagaaaagaatataactgtgaattataatggtacacttataaatgaaactgtctttg 106415

Query: 932 agtttgactggaagtcatatattcaagattcaag 965
|||||
Sbjct: 106414 agtttgactggaagtcatatattcaagattcaag 106381

Score = 524 bits (264), Expect = e-145
Identities = 264/264 (100%)
Strand = Plus / Minus

Query: 1 atggagcaaacagtgttgtaccaccaggacctgacagcttcaacttcttcaccagagaa 60
|||||
Sbjct: 128284 atggagcaaacagtgttgtaccaccaggacctgacagcttcaacttcttcaccagagaa 128225

Query: 61 tctcttgcggtattgaaagacgcattgcagaagaaaaggcaaagaatcccaaaccagac 120
|||||
Sbjct: 128224 tctcttgcggtattgaaagacgcattgcagaagaaaaggcaaagaatcccaaaccagac 128165

Query: 121 aaaaaagatgacgacgaaaatggcccaaagccaaatagtgacttgggaagctggaaagaac 180
|||||
Sbjct: 128164 aaaaaagatgacgacgaaaatggcccaaagccaaatagtgacttgggaagctggaaagaac 128105

Query: 181 cttccattttatgttgagacattcctccagagatggtgtcagagcccctggaggacctg 240
|||||
Sbjct: 128104 cttccattttatgttgagacattcctccagagatggtgtcagagcccctggaggacctg 128045

Query: 241 gaccctactatatcaataagaaa 264
|||||
Sbjct: 128044 gaccctactatatcaataagaaa 128021

Score = 478 bits (241), Expect = e-131
Identities = 242/243 (99%)
Strand = Plus / Minus

Query: 2175 agaacttgaagaatccaggcagaaatgccaccctgttggtataaattttccaacatatt 2234
|||||
Sbjct: 96134 agaacttgaagaatccaggcagaaatgccaccctgttggtataaattttccaacatatt 96075

Query: 2235 cttaatctgggactgttctccatattggttaaaagtgaacatgttgtcaacctggtygt 2294
|||||
Sbjct: 96074 cttaatctgggactgttctccatattggttaaaagtgaacatgttgtcaacctggttgt 96015

Query: 2295 gatggacccatttgttgacctggccatcaccatctgtattgtcttaataactcttttcat 2354
|||||
Sbjct: 96014 gatggacccatttgttgacctggccatcaccatctgtattgtcttaataactcttttcat 95955

Query: 2355 ggccatgggagcactatccaatgacggaccatttcaataatgtgcttacagtaggaaactt 2414
|||||
Sbjct: 95954 ggccatgggagcactatccaatgacggaccatttcaataatgtgcttacagtaggaaactt 95895

Query: 2415 ggt 2417
|||
Sbjct: 95894 ggt 95892

Score = 405 bits (204), Expect = e-109
Identities = 207/208 (99%)
Strand = Plus / Minus

Query: 1170 gacattacgtgctgctgggaaaacgtacatgatattttttgtgttggtcattttcttggg 1229
|||||
Sbjct: 101640 gacattacgtgctgctgggaaaacgtacatgatattttttgtattggtcattttcttggg 101581

Query: 1230 ctcatctacctaataaatttgatcctggctgtggtggccatggcctacgaggaacagaa 1289
|||||
Sbjct: 101580 ctcatctacctaataaatttgatcctggctgtggtggccatggcctacgaggaacagaa 101521

Query: 1290 tcaggccaccttgaagaagcagaacagaaagaggccgaatttcagcagatgattgaaca 1349
|||||
Sbjct: 101520 tcaggccaccttgaagaagcagaacagaaagaggccgaatttcagcagatgattgaaca 101461

Query: 1350 gcttaaaaagcaacaggaggcagctcag 1377
|||||
Sbjct: 101460 gcttaaaaagcaacaggaggcagctcag 101433

Score = 351 bits (177), Expect = 3e-93
Identities = 177/177 (100%)
Strand = Plus / Minus

Query: 3705 ggcatttgaagatatatatattgatcagcgaaagacgattaagacgatgttggaatatgc 3764
|||||
Sbjct: 66946 ggcatttgaagatatatatattgatcagcgaaagacgattaagacgatgttggaatatgc 66887

Query: 3765 tgacaagggttttcacttacattttcattctggaaatgcttctaaaatgggtggcatatgg 3824
|||||
Sbjct: 66886 tgacaagggttttcacttacattttcattctggaaatgcttctaaaatgggtggcatatgg 66827

Query: 3825 ctatcaaacatatttcaccaatgcctggtggtggctggacttcttaattgttgatgt 3881
|||||
Sbjct: 66826 ctatcaaacatatttcaccaatgcctggtggtggctggacttcttaattgttgatgt 66770

Score = 347 bits (175), Expect = 5e-92
Identities = 175/175 (100%)
Strand = Plus / Minus

Query: 2415 ggttttcactgggatctttacagcagaaatgtttctgaaaattattgccatggatcctta 2474
|||||
Sbjct: 94260 ggttttcactgggatctttacagcagaaatgtttctgaaaattattgccatggatcctta 94201

Query: 2475 ctattatttccaagaaggctggaatatctttgacggttttattgtgacgcttagcctggt 2534
|||||
Sbjct: 94200 ctattatttccaagaaggctggaatatctttgacggttttattgtgacgcttagcctggt 94141

Query: 2535 agaacttggaactcgccaatgtggaaggattatctgttctccgttcatttcgattg 2589
|||||
Sbjct: 94140 agaacttggaactcgccaatgtggaaggattatctgttctccgttcatttcgattg 94086

Score = 313 bits (158), Expect = 7e-82
Identities = 158/158 (100%)
Strand = Plus / Minus

Query: 3549 aggctgtgtacaaagattcaagtgttgtcaaataaatgtggaagaaggcagaggaaaaca 3608
|||||
Sbjct: 68563 aggctgtgtacaaagattcaagtgttgtcaaataaatgtggaagaaggcagaggaaaaca 68504

Query: 3609 atggtggaacctgagaaggacgtgtttccgaatagttgaacataactggtttgagacctt 3668
|||||
Sbjct: 68503 atggtggaacctgagaaggacgtgtttccgaatagttgaacataactggtttgagacctt 68444

Query: 3669 cattgttttcatgattctccttagtagtggtgctctgg 3706
|||||
Sbjct: 68443 cattgttttcatgattctccttagtagtggtgctctgg 68406

Score = 284 bits (143), Expect = 6e-73
Identities = 147/148 (99%), Gaps = 1/148 (0%)
Strand = Plus / Minus

Query: 1023 tgcaggccaatgtccagagggatatatgtgtgtgaaagctggtagaaatcccaattatgg 1082
|||||
Sbjct: 102436 tgca-gccaatgtccagagggatatatgtgtgtgaaagctggtagaaatcccaattatgg 102378

Query: 1083 ctacacaagctttgataccttcagttgggctttttgtccttgtttcgactaatgactca 1142
|||||
Sbjct: 102377 ctacacaagctttgataccttcagttgggctttttgtccttgtttcgactaatgactca 102318

Query: 1143 ggacttctgggaaaatctttatcaactg 1170
|||||
Sbjct: 102317 ggacttctgggaaaatctttatcaactg 102290

Score = 274 bits (138), Expect = 6e-70
Identities = 138/138 (100%)
Strand = Plus / Minus

Query: 4339 gtggaactccagcctaagtatgaagaaagtctgtacatgtatctttactttgttattttc 4398
|||||
Sbjct: 52838 gtggaactccagcctaagtatgaagaaagtctgtacatgtatctttactttgttattttc 52779

Query: 4399 atcatctttgggtccttcttcaccttgaacctgtttattgggtgtcatcatagataatttc 4458
|||||
Sbjct: 52778 atcatctttgggtccttcttcaccttgaacctgtttattgggtgtcatcatagataatttc 52719

Query: 4459 aaccagcagaaaaagaag 4476
|||||
Sbjct: 52718 aaccagcagaaaaagaag 52701

Score = 264 bits (133), Expect = 6e-67
Identities = 133/133 (100%)
Strand = Plus / Minus

Query: 2044 ggaacaaccactgaaactgaaatgagaaagagaagggtcaagttctttccacgtttccatg 2103
|||||
Sbjct: 97087 ggaacaaccactgaaactgaaatgagaaagagaagggtcaagttctttccacgtttccatg 97028

Query: 2104 gactttctagaagatccttcccaaaggcaacgagcaatgagtatagccagcattctaaca 2163
|||||
Sbjct: 97027 gactttctagaagatccttcccaaaggcaacgagcaatgagtatagccagcattctaaca 96968

Query: 2164 aatacagtagaag 2176
|||||
Sbjct: 96967 aatacagtagaag 96955

Score = 262 bits (132), Expect = 2e-66
Identities = 132/132 (100%)
Strand = Plus / Minus

Query: 474 atacaccttcacaggaatatatacttttgaatcacttataaaaattattgcaaggggatt 533
|||||
Sbjct: 109429 atacaccttcacaggaatatatacttttgaatcacttataaaaattattgcaaggggatt 109370

Query: 534 ctgtttagaagattttactttccttcgggatccatggaactggctcgatttcactgtcat 593
|||||
Sbjct: 109369 ctgtttagaagattttactttccttcgggatccatggaactggctcgatttcactgtcat 109310

Query: 594 tacatttgcgta 605
|||||
Sbjct: 109309 tacatttgcgta 109298

Score = 248 bits (125), Expect = 3e-62
Identities = 125/125 (100%)
Strand = Plus / Minus

Query: 3880 gtttcattgggtcagtttaacagcaaatagccttgggttactcagaacttgagccatcaaa 3939
|||||
Sbjct: 64504 gtttcattgggtcagtttaacagcaaatagccttgggttactcagaacttgagccatcaaa 64445

Query: 3940 tctctcaggacactaagagctctgagacctctaagagccttatctcgatttgaagggatg 3999
|||||
Sbjct: 64444 tctctcaggacactaagagctctgagacctctaagagccttatctcgatttgaagggatg 64385

Query: 4000 agggg 4004
|||||
Sbjct: 64384 agggg 64380

Score = 246 bits (124), Expect = 1e-61
Identities = 124/124 (100%)
Strand = Plus / Minus

Query: 3428 agaaactgaatgaaagcagtagctcatcagaaggttagcactgtggacatcggcgcacctg 3487
|||||
Sbjct: 70392 agaaactgaatgaaagcagtagctcatcagaaggttagcactgtggacatcggcgcacctg 70333

Query: 3488 tagaagaacagcccgtagtggaaacctgaagaaactcttgaaccagaagcttggttccactg 3547
|||||
Sbjct: 70332 tagaagaacagcccgtagtggaaacctgaagaaactcttgaaccagaagcttggttccactg 70273

Query: 3548 aagg 3551
|||||
Sbjct: 70272 aagg 70269

Score = 240 bits (121), Expect = 8e-60
Identities = 121/121 (100%)
Strand = Plus / Minus

Query: 265 acttttatagtattgaataaagggaaggccatcttccggttcagtgccacctctgccctg 324
|||||
Sbjct: 113351 acttttatagtattgaataaagggaaggccatcttccggttcagtgccacctctgccctg 113292

Query: 325 tacattttaactcccttcaatcctcttaggaaaatagctattaagattttggtacattca 384
|||||
Sbjct: 113291 tacattttaactcccttcaatcctcttaggaaaatagctattaagattttggtacattca 113232

Query: 385 t 385
|
Sbjct: 113231 t 113231

Score = 208 bits (105), Expect = 3e-50
Identities = 105/105 (100%)
Strand = Plus / Minus

Query: 4477 tttggaggtcaagacatctttatgacagaagaacagaagaaataactataatgcaatgaaa 4536
|||||
Sbjct: 50780 tttggaggtcaagacatctttatgacagaagaacagaagaaataactataatgcaatgaaa 50721

Query: 4537 aaattaggatcgaaaaaacgcgaaaagcctatacctcgaccagga 4581
|||||
Sbjct: 50720 aaattaggatcgaaaaaacgcgaaaagcctatacctcgaccagga 50676

Score = 184 bits (93), Expect = 4e-43
Identities = 93/93 (100%)
Strand = Plus / Minus

Query: 603 gtacgtcacagagtttgtggacctgggcaatgtctcggcattgagaacattcagagttct 662
|||||
Sbjct: 107606 gtacgtcacagagtttgtggacctgggcaatgtctcggcattgagaacattcagagttct 107547

Query: 663 ccgagcattgaagacgatttcagtcattccagg 695
|||||
Sbjct: 107546 ccgagcattgaagacgatttcagtcattccagg 107514

Score = 180 bits (91), Expect = 7e-42
Identities = 91/91 (100%)
Strand = Plus / Minus

Query: 383 cattattcagcatgctaattatgtgcactattttgacaaactgtgtgtttatgacaatga 442
|||||
Sbjct: 111164 cattattcagcatgctaattatgtgcactattttgacaaactgtgtgtttatgacaatga 111105

Query: 443 gtaaccctcctgattggacaaagaatgtaga 473
|||||
Sbjct: 111104 gtaaccctcctgattggacaaagaatgtaga 111074

Score = 127 bits (64), Expect = 9e-26
Identities = 64/64 (100%)
Strand = Plus / Minus

Query: 965 gatatcattatctcctggagggttttttagatgcactactatgtggaaatagctctgatg 1024
|||||
Sbjct: 103612 gatatcattatctcctggagggttttttagatgcactactatgtggaaatagctctgatg 103553

Query: 1025 cagg 1028
||||
Sbjct: 103552 cagg 103549

Score = 111 bits (56), Expect = 5e-21
Identities = 56/56 (100%)
Strand = Plus / Minus

Query: 4285 gccacattcaaaggatggatggatataatgtatgcagcagttgattccagaaatgt 4340
|||||||
Sbjct: 54439 gccacattcaaaggatggatggatataatgtatgcagcagttgattccagaaatgt 54384



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Links

LOCUS AC010127 190066 bp DNA linear PRI 09-MAY-2001

DEFINITION Homo sapiens BAC clone RP11-2I8 from 2, complete sequence.

ACCESSION AC010127

VERSION AC010127.12 GI:11597116

KEYWORDS HTG.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 190066)

AUTHORS Sulston,J.E. and Waterston,R.

TITLE Toward a complete human genome sequence

JOURNAL Genome Res. 8 (11), 1097-1108 (1998)

MEDLINE 99063792

PUBMED 9847074

REFERENCE 2 (bases 1 to 190066)

AUTHORS Goyea,E., Abbott,A. and MacDonald,J.

TITLE The sequence of Homo sapiens BAC clone RP11-2I8

JOURNAL Unpublished

REFERENCE 3 (bases 1 to 190066)

AUTHORS Waterston,R.H.

TITLE Direct Submission

JOURNAL Submitted (13-SEP-1999) Genome Sequencing Center, Washington
 University School of Medicine, 4444 Forest Park Parkway, St. Louis,
 MO 63108, USA

REFERENCE 4 (bases 1 to 190066)

AUTHORS Waterston,R.H.

TITLE Direct Submission

JOURNAL Submitted (07-DEC-2000) Genome Sequencing Center, Washington
 University School of Medicine, 4444 Forest Park Parkway, St. Louis,
 MO 63108, USA

REFERENCE 5 (bases 1 to 190066)

AUTHORS Waterston,R.H.

TITLE Direct Submission

JOURNAL Submitted (08-DEC-2000) Genome Sequencing Center, Washington
 University School of Medicine, 4444 Forest Park Parkway, St. Louis,
 MO 63108, USA

REFERENCE 6 (bases 1 to 190066)

AUTHORS Waterston,R.

TITLE Direct Submission

JOURNAL Submitted (09-MAY-2001) Department of Genetics, Washington
 University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA

COMMENT On Dec 7, 2000 this sequence version replaced gi:[10765079](#).
 ----- Genome Center
 Center: Washington University Genome Sequencing Center
 Center code: WUGSC
 Web site: <http://genome.wustl.edu/gsc>